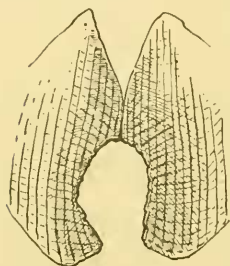


DESCRIPTION OF A NEW SPECIES OF PUPINA FROM QUEENSLAND.

By C. E. BEDDOME.

PUPINA BIDENTATA, sp.n.

Jaw consisting of a chitinous, transparent membrane covering the greater part of the lips, minutely reticulated; under high magnifying power the membrane appears to be composed of very numerous rectangular plaits.

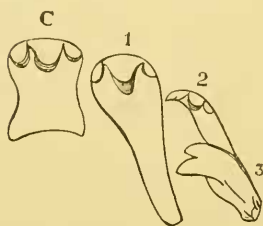


1
Fig. 1.

Radula strap-shaped, with about 75 oblique rows of teeth; formulæ 2-1-1-1-2. Rhachidian tooth with its base constricted in the middle, posterior and concave; there are three rather small cusps, the median one much larger than the laterals, with small, broadly rounded cutting points. Lateral teeth elongated, with three cusps, the median with

a large blunt cutting point. First marginal with three, second with two cutting points.

The dentition is that characteristic of the *Cyclophoridae*, and the peculiarity of the jaw, if that term may be applied, is shared by the arboreal *Achatinellas*.



2
Fig. 2.

Shell pupiniiform, shining translucent, pale horn colour. Whorls $6\frac{1}{2}$, gently convex. Aperture circular, the greater part of which is encircled by less inflated margin of inner lip; peristome elsewhere markedly thickened and reflexed with whitish sinuous porcelain-like margin, notched or slit narrowly and tortuously anteriorly and posteriorly; the thickened and backward bent extremities of inner

and outer lip slightly diverge, forming two ribs on body whorl

enclosing a narrow triangular area which is crossed near the thread-like slit of rounded aperture by a tooth-like process. There is a finer tooth on lower extremity of outer lip which further constricts the fine slit at aperture.

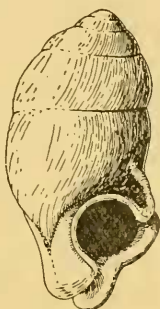


Fig. 3.

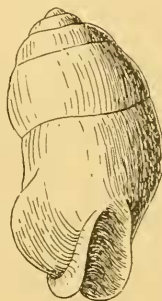


Fig. 4.

Operculum concentric, concave, shining, straw colour.

Length 10 mil., diam. 4 mil., breadth of aperture $1\frac{1}{2}$ mil.

Hab.—Near Cairns, Queensland. The type specimens are in C. E. Beddome's Collection.

EXPLANATION OF FIGURES.

Pupina bidentata.

Fig. 1.—Jaw ($\times 50$).

Fig. 2.—Part of radula ($\times 240$).

Figs. 3-4.—Front and back views of shell.

(Figs. 1-2 drawn from nature by Mr. H. Suter; Nos. 3-4 by Mr. C. Hedley.)